APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

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(SF -2236)

PROBLEMS OF EVOLUTIONARY MORPHOLOGY OF THE CELL IN THE LIGHT OF DATA FROM ELECTRON MICROSCOPY, BY A. N. STUDITSKIY, 45 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I EMBIOLOGII, VOL XLII, NO 3, 1962, PP 3-29.

JPRS 14719

SCI - BIOLOGY

AUG 62

205,985

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Kushelova, T. F.
MORPHOLOGY OF CARDIAC GANGLIA IN THE CAT. [1963] [11p] (figs omitted) 26refs
FASEB Manuscript no. S 122-3.
Order from OTS or SLA $1.60 TT-63-23908
figs available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 42, no. 3, p. 55-60. (Abstract available)

DESCRIPTORS: *Ganglia, Cells (Biology), *Nerve cells, Nervous system, Heart, *Autonomic nervous system, Morphology

In this study of the neurons of the cardiac ganglia of the precordium, three distinct types of cells were isolated. Type I are identified as multipolar motor neurons. The pericellular apparatus of these cells consists of tiny knobs and loops under the capsule of the neuron. These (Biological Sciences--Anatomy, TT, v. 11, no. 8)(over)

TT-63-23908

I. Title: Precordium
I. Kushelova, T. F.
II. FASEB S-122-3
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Finkel'shtein, M. O.
VEINS OF THE MUCOSA OF THE HUMAN TONGUE. [1963] [8]p. 5 refs. FASEB manuscript no. S 124-2. Order from OTS or SLA $1.10 63-19372

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 42, no. 3, p. 108-114.

DESCRIPTORS: *Veins, *Membranes (Biology), *Mucus, *Tongue, Man.

(Biological Sciences--Anatomy, TT, v. 10, no. 5)

63-19372

I. Finkel'shtein, M. O.
II. FASEB S-124-2
III. Federation of American Societies for Experimental Biology, Washington, D.C.
IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

(DC-6932)

SOME PROBLEMS IN RADIATION HISTOLOGY, BY V. P. MIKHAYLOV, 46 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII, VOL XLII, NO 4, 1962, PP 3-24.

JPRS 15018

SCI - MED

SEPT 62

209,419

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

(DC-6932)

THE REPAIR X OF RADIATION LESIONS IN THE DEVELOPING NERVOUS SYSTEM, BY A. A. MANINA, 17 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII, VOL XLII, NO 4, 1962, PP 25-33.

JPRS 15018

SCI - MED
SEPT 62

209,420

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

(DC-6932)

MORPHOLOGICAL IMPAIRMENT OF BONE MARROW INNERVATIONS IN THE EARLY STAGES OF ACUTE RADIATION SICKNESS, BY A. A. OTELIN, 9 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII, VOL XLII, NO 4, 1962, PP 34-38.

JPRS XXXXXXX 15018

SCI - MED

SEPT 62

209,42XX1

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

(DC-6932)

AN ELECTRON MICROSCOPIC STUDY OF NORMAL AND IRRADIATED STRIATED MUSCLE TISSUE DURING THE PROCESS OF REGENERATION, BY G. V. YELYAKOVA, 10 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII, VOL XLII, NO 4, 1962, PP 39-42.$

JPRS 15018

SCI - MED

SEPT 62

209,422

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

(DC-6932)

POST-TRAUMATIC REGENERATION OF THE MUCOUS MEMBRANE OF THE SMALL INTESTINE DURING RADIATION SICKNESS, BY YE. V. DMITRIYEVA, 15 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII, VOL XLII, NO 4, 1962, PP 43-52.

JPRS 15018

SCI - MED

SEPT 62

ZX 209,423

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

(DC-6932)

HISTOLOGICAL CHANGES IN THE EPIDERMIS AFTER EXTENSIVE BURNS DURING ACUTE RADIATION SICKNESS, BY L. B. BERLIN, 9PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII, VOL XLII, NO 4, 1962, PP XXX 53-58.

JPRS 15018

SCI - MED

AUG 62

209,424

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

(DC-6932)

THE PROBLEM OF MITOTIC REGIME OF THE CELLULAR TISSUES OF THE THYMUS GLAND DURING ACUTE RADIATION SICKNESS, BY YU. P. NEYSHAR, 12 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII, VOL XLII, NO 6, 1962, PP 59-66.

JPRS 15018

SCI - MED
SEPT. 62

209,325

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

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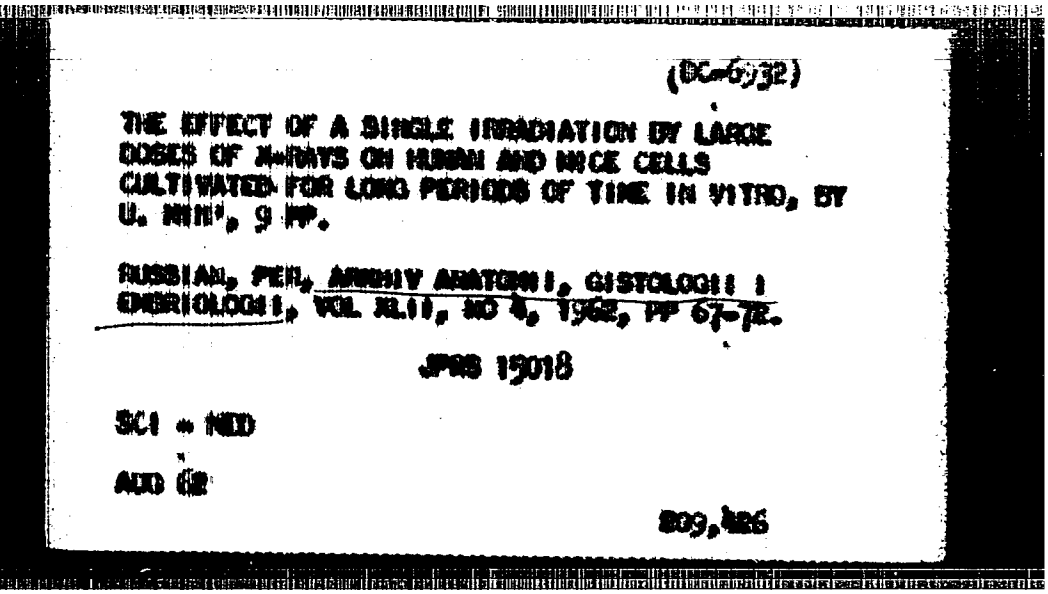

(BC-6,732)

THE EFFECT OF A SINGLE IRRADIATION BY LARGE DOSES OF X-RAYS ON HUMAN AND MICE CELLS CULTIVATED FOR LONG PERIODS OF TIME IN VITRO, BY U. NIN', 9 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII, VOL XLII, NO 4, 1962, PP 67-72.

JPRS 15018

SCI - MED

AID GR

809,826

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

(DC-6932)

A COMPARATIVE STUDY OF RADIATION INJURY OF MALE AND FEMALE GAMETES IN THE PATHOGENESIS OF EMBRYO-PATHOLOGIES OF RATS, BY YE. A. POZHIDAYEV, 7 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII, VOL XLII, NO 4, 1962, PP 73-76.

JPRS 15018

SCI - MED

AUG 62

209 427

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

(DC-6932)

CHANGES IN THE LYMPHATIC BED OF THE MAMMARY GLAND OF WOMEN UNDER XX THE EFFECT OF RADIATION THERAPY, BY L. I. GORDEYEVA, 9 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII, VOL XLII, NO 4, 1962, PP 77-81.

JPRS 15018

SCI - MED

AUG 62

209,42X8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

(DC-6932)

CHANGES IN THE INTRAORGANIC LYMPHATIC SYSTEM OF LYMPHOID FORMATIONS IN RABBITS DURING RADIATION SICKNESS, BY K. A. MALKHAZOVA, V. N. BALASHEV, 7 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII, VOL XLII, NO 4, 1962, PP 83-87.

JPRS 15018

SCI - MED
SEP 62

209,429

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

(NY-7174)

NERVE REGENERATION AND THE PROBLEM OF RESTORATION OF ITS FUNCTION, BY L. I. FALIN, 16 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII, VOL XLII, NO 5, 1962, PP 3-13.

JPRS 14825

SCI - MEDICINE

AUG 62

207,084

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Ptokhov, M. P.
ENDOTHELIUM OF THE CARDIAC VALVES IN THE CAT, DOG, AND MONKEY. [1963] [11]p. 11 refs. FASEB manuscript no. S 193-2.
Order from OTS or SLA $1.60 63-23048
Figs. available on loan from OTS
Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 42, no. 5, p. 29-34.

DESCRIPTORS: *Epithelium, *Heart, Cats, Dogs, Primates, Tissues (Biology), Cells (Biology), Regeneration.

The valvular endothelium of every subject examined showed small-celled islets with a large number of amitoses. The fact that the small-celled islets and numerous amitotically dividing nuclei and cells are constantly present in the endothelium of the cardiac valves indicates high physiological regeneration (Biological Sciences--Physiology, TT, v. 10, no. 7)
(over)

63-23048

I. Ptokhov, M. P.
II. FASEB S-193-2
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Sviridov, A. I.
FUNCTIONAL MORPHOLOGY OF THE PERIVASCULAR LYMPHATICS IN THE VERTEBRATES. [1963] [11]p. 12 refs. FASEB manuscript no. S 194-2.
Order from OTS or SLA $1.60 63-23047
Figs. available on loan from OTS
Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 42, no. 5, p. 83-88.

DESCRIPTORS: Physiology, Morphology, *Lymph, *Lymphatic system, *Blood circulation, Animals, Histology.

Perivascular lymphatics in the vertebrates show no definite organ localization. Their presence in various organs is not associated with animal taxonomic groups but is a result of particular anatomical relationships obtaining locally. Perivascular lymphatics are found in sites where the serous or mucous membranes containing the primary lymph plexuses are only loosely
(Biological Sciences--Physiology, TT, v. 10, no. 7)
(over)

63-23047

I. Title: Vertebrates
I. Sviridov, A. I.
II. FASEB S-194-2
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Gryaznova, A. V.
LIGATION OF THE THORACIC DUCT IN DOGS. 1963, 5p
Order from FASEB In Federation Proceedings, 1963, v. 22, no. 5, pt. 2, $2.00

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 42, no. 5, p. 90-[97].

DESCRIPTORS: *Obstruction (Physiology), Dogs, *Lymphatic system, *Lymph, Anatomy, Circulatory system

(Biological Sciences, TT, v. 11, no. 1)

TT-63-17973-5
(p. T886-T890)

1. Title: Lymphatic circulation
2. Title: Thoracic duct
I. Gryaznova, A. V.
II. Federation of American Societies for Experimental Biology, Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Some Protective-Adaptive Mechanisms of Air-Carrying Pathways Under Conditions of Air Dust Pollution, by F. D. Filatova, 28 pp.

RUSSIAN, per, Arkhiv Anatomii, Gistologii, i Embriologii, Vol XLII, No 6, 1962, pp 3-23.

JPRS 15823

217,002

Sci - Med

Oct 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Khadzhiselimovich, Kh.
POSITION OF THE POSTERIOR SEMICIRCULAR CANAL IN MAN. [1963] [7p] 14refs FASEB Manuscript no.: S 157-2.
Order from CTS, SLA, or ETC $1.10 TT-63-24470

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 42, no. 6, p. 84-87.

DESCRIPTORS: *Ear, Bone, Head.

Descriptions are given of the position of the posterior semicircular canals in the pyramids of the temporal bone on both sides of the same skull and also in different skulls.

(Biological Sciences--Anatomy, TT, v. 11, no. 6)

TT-63-24470

I. Khadzhiselimovich, Kh.
II. FASEB-S-157-2
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Balko, G. F.
AGE CHARACTERISTICS AND VARIABILITY OF ARTERIES IN HUMAN CEREBRAL DURA MATER.
Jan/Feb 64, 5p
Order from FASEB $2.00 in Federation Proceedings Translation Supplement, 1964, v. 23, no. 1, (p. T129-T133)

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 42, no. 6, p. 88ff.

DESCRIPTORS: *Aging (Physiology), *Arteries, *Meninges, Blood circulation, Brain.

(Biological Sciences--Physiology, TT, v. 11, no. 10)

TT-64-12541-1 (p. T129-T133)

I. Balko, G. F.
II. Federation of American Societies for Experimental Biology, Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Skobelkin, O. K.
REGENERATION OF THE WALL OF THE AORTA FOLLOWING GRAFTING WITH A DIAPHRAGMATRIC PATCH. [1963] [17p] 13refs FASEB manuscript no. S 159-2.
Order from OTS, SLA, or BTC $1.60 TT-64-13506

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 42, no. 6, p. 97-102.

DESCRIPTORS: Regeneration, *Aorta, *Plastic surgery, Transplantation, *Diaphragm.

(Biological Sciences--Surgery, TT, v. 11, no. 8)

TT-64-13506

I. Skobelkin, O. K.
II. FASEB-S-159-2
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Sokolov, V. B.
THE FUNCTIONAL IMPORTANCE OF THE NERVES OF THE LIGAMENTA DENTICULATA OF THE SPINAL CORD. [1963] [18]p. 15 refs. FASEB manuscript no. S 198-2
Order from OTS or SLA $1.60 63-23046

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 43, no. 8, p. 35-42.

DESCRIPTORS: Physiology, *Nerves, *Spinal cord, Morphology, *Autonomic nervous system, Histology.

The comparison of the morphological findings with the results of the experimental physiological study of the functional importance of the nerves of the ligamenta denticulata of the spinal cord shows that these ligaments form one of the ways by which preganglionic sympathetic fibers leave the spinal cord for the peri-
(Biological Sciences--Physiology, TT, v. 10, no. 7)
(over)

63-23046

1. Title: Ligamentum denticulata
I. Sokolov, V. B.
II. FASEB S-198-2
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Akmaev, I. G.
CHANGES IN ADENOHYPOPHYSIS FOLLOWING EXCISION OF SUPERIOR CERVICAL SPINAL GANGLIA. Jan/Feb 64, 5p
Order from FASEB $2.00 in Federation Proceedings Translation Supplement, 1964, v. 23, no. 1 (p. T117-T121)

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 43, no. 9, p. 23ff.

DESCRIPTORS: Endocrine glands, *Pituitary gland, Excision, *Ganglia, Secretion, *Autonomic nervous system, *Hormones.

(Biological Sciences--Physiology, TT, v. 11, no. 10)

TT-64-12541-1 (p. T117-T121)

I. Akmaev, I. G.
II. Federation of American Societies for Experimental Biology, Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Primak, E. Kh.
MORPHOLOGICAL AND FUNCTIONAL FEATURES OF THE CELLS OF THE CERVICOTHORACIC PARAGANGLIA IN RELATION TO THEIR DIFFERENTIATION. [1963] [25p] 40refs FASEB Manuscript no.: S 393-2.
Order from OTS, SLA, or ETC $2.60 TT-63-24520
figs. available on loan from OTS
Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 43, no. 9, p. 66-75. (Abstract available)

DESCRIPTORS: Morphology (Biology), Cells (Biology), *Ganglia, *Autonomic nervous system, Physiology, *Chemoreceptors.

The paper contains a critical evaluation of data obtained by the author for the sources of the specific cells of the cervicothoracic paraganglia in birds and mammals and attempts to explain some of the morphological and (Biological Sciences--Anatomy, TT, v. 11, no. 7)(over)

TT-63-24520

I. Primak, E. Kh.
II. FASEB-S-393-2
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Pchelyakov, V. F.
EARLY STAGES IN THE DEVELOPMENT OF THE EYELIDS IN MAN. [1963] [12p] 12refs FASEB Manuscript no. : S 394-2.
Order from OTS, SLA, or ETC $1.60 TT-63-24521
figs. available on loan from OTS
Trans. of Arkhiv Anatomi, Gistologii i Embriologii (USSR) 1962, v. 43, no. 9, p. 83-87.

DESCRIPTORS: *Eye, *Embryology, Man.

(Biological Sciences--Anatomy, TT, v. 11, no. 6)

TT-63-24521

I. Title: Eyelids
I. Pchelyakov, V. F.
II. FASEB-S-394-2
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Zhdanov, D. A. and Sapin, M. R.
FUNCTIONAL VIEW OF INTRAORGANIC BLOOD VESSELS IN THE HUMAN HYPOPHYSIS. 1963, 7p
Order from FASEB in Federation Proceedings, 1963, v. 22, no. 5, pt. 2, $2.00

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 43, no. 10, p. 3ff.

DESCRIPTORS: Blood circulation, *Blood vessels, Brain, *Pituitary gland, *Capillaries

(Biological Sciences, TT, v. 11, no. 1)

TT-63-17973-5
(p. T972-T978)

I. Zhdanov, D. A.
II. Sapin, M. R.
III. Federation of American Societies for Experimental Biology, Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Kapustina, E. V.
THE ARTERIAL BLOOD SUPPLY OF HEPATIC LOBULES. [1963] [44p] (figs omitted) 21refs FASEB Manuscript no. S449-2.
Order from OTS, SLA or ETC $4.60 TT-63-23883
figs available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962. v. 43, no. 10, p. 19-35.

DESCRIPTORS: *Blood circulation, Arteries, *Liver, Capillaries.

(Biological Sciences--Anatomy, TT, v. 11, no. 3)

TT- 63-23883

I. Kapustina, E. V.
II. FASEB S-449-2
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica Inc., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Anichkov, M. N. and Lev, I. D.
ANALYSIS OF THE COLLATERALS THAT DEVELOP IN COARCTATION OF THE AORTA IN MAN. [1963] [48]p. 37 refs. FASEB S 450-2.
Order from OTS or SLA $4.60 63-23043

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 43, no. 10, p. 36-54.

DESCRIPTORS: *Blood circulation, *Aorta, Angiography, *Obstruction (Physiology), Surgery, Contrast media, Diagnostic agents, Anomalies.

Diagrams of collateral circulation of 60 patients were made by aortography using a contrast media injected into the aorta through the left carotid artery. The diagrams compiled from these aortographs were compared with what was found on 40 of the patients who had aortic surgery. A diagram was compiled of the col-
(Biological Sciences--Anatomy, TT, v. 10, no. 9)(over)

63-23043

1. Title: Coaretation
2. Title: Collateral circulation
I. Anichkov, M. N.
II. Lev, I. D.
III. FASEB S-450-2
IV. Federation of American Societies for Experimental Biology, Washington, D. C.
V. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Bardina, R. A.
ALTERATIONS IN THE MICROSTRUCTURE OF THE WALLS OF ARTERIAL COLLATERALS FOLLOWING DEAFFERENTATION OF THE CANINE HIND LIMB. [1963] [32]p. 62 refs. FASEB manuscript no. S 451-2. Order from OTS or SLA $3.60 63-23848
figs. available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 43, no. 10, p. 61-70.

DESCRIPTORS: *Blood vessels, *Arteries, Legs, Histology, Excision, Nerves, *Autonomic nervous system, *Blood circulation, Reflexes, Dogs.

Elimination of the afferent link in the reflex arc of the canine hind limbs (deafferentation) has an effect on the formation of arterial collaterals that develop after resection of major arteries in the extremity. The wall structure of the arterial collaterals underwent considerable modification mainly affecting the muscle (Biological Sciences--Pathology, TT, v. 10, no. 11) (over)

63-23848

I. Bardina, R. A.
II. FASEB S-451-2
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

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Tekhver, Yu. T.
HISTOLOGICAL TERMINOLOGY. [1963] [31]p. 30 refs.
FASEB manuscript no. S 68-3.
Order from OTS or SLA $3.60 63-23053

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 43, no. 11, p. 3-11.

DESCRIPTORS: *Histology, Histological techniques, Identification, Standardization.

(Biological Sciences, TT, v. 10, no. 9)

63-23053

I. Tekhver, Yu. T.
II. FASEB S-69-3
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Petrov, V. S.
AN ELECTRON MICROSCOPIC STUDY OF THE NERVE CELLS AND CERTAIN EXTRACELLULAR ELEMENTS OF THE GANGLIA OF THE SOLAR PLEXUS. [1963] [22]p. 44 refs FASEB manuscript no. S 69-3.
Order from CTS or SLA $2.60 63-23860
Figs. available on loan from OTS
Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 43, no. 11, p. 12-18.

DESCRIPTORS: *Electron microscopy, Nerve cells, *Ganglia, *Autonomic nervous system.

(Biological Sciences--Anatomy, TT, v. 10, no. 11)

63-23860

I. Title: Solar plexus
I. Petrov, V. S.
II. FASEB S-69-3
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

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Speranskii, V. S.
PULMONARY ZONES AND SEGMENTS FROM THE STANDPOINT OF COMPARATIVE ANATOMY. [1963] [38p] 22refs FASEB Manuscript no.: S 71-3.
Order from OTS, SLA, or ETC $3.60 TT-63-24452
figs. available on loan from OTS
Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962 [v. 43] no. 11, p. 29-45.
(Abstract available)

DESCRIPTORS: Anatomy, Veins, Arteries, *Lungs, Evolution, Mammals, Contrast media, *Blood circulation.

The pulmonary vessels and bronchi of 160 lung preparations from 20 species of mammals were injected with radiocontrast media and colored masses to study the blood vessel distribution in relation to the lobular and segmental structure of the lungs. A table compares the segmental structure of the human
(Biological Sciences--Anatomy, TT, v. 11, no. 5) (over)

TT-63-24452

I. Speranskii, V. S.
II. FASEB-S-71-3
III. Federation of American Societies for Experimental Biology, Washington, D.C.
IV. Scripta Technica, Inc.,

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Gleiberman, S. E.
AGE MORPHOLOGY OF THE HUMAN VERMIFORM APPENDIX. [1963] [16p] (figs omitted) 16refs
FASEB Manuscript no. S 72-3.
Order from OTS, SLA or ETC $1.60 TT-63-23861
figs available on loan from OTS

Trans. of Arkhiv Anatomii [Gistologii i Embriologii] (USSR) 1962, v. 43, no. 11, p. 45-52.

DESCRIPTORS: *Aging (Physiology), Cytochemistry, Man, *Intestines, Morphology.

(Biological Sciences--Anatomy, TT, v. 11, no. 3)

TT- 63-23861

I. Title: Vermiform appendix
I. Gleiberman, S. E.
II. FASEB S-72-3
III. Federation of American Societies for Experimental Biology. Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

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Khodos, A. B.
VASCULARIZATION OF THE PENIS. [1963] [18p]
(figs omitted) 34refs FASEB manuscript no. S 73-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13487

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 43, no. 11, p. 52-58.

DESCRIPTORS: *Reproduction system, *Blood vessels.

(Biological Sciences--Anatomy, TT, v. 11, no. 9)

TT-64-13487

I. Khodos, A. B.
II. FASEB-S-73-3
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

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Astanin, L. P.
ALTERATIONS IN THE PROPORTIONS OF THE HUMAN HAND. [1963] [33]p. 47 refs. FASEB manuscript no. S 74-3.
Order from OTS or SLA $3.60 63-23862

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 43, no. 11, p. 58-67.

DESCRIPTORS: *Arms, Genetics, *Bones, Evolution, *Anthropometry, Anthropology.

(Biological Sciences--Anatomy, TT, v. 10, no. 11)

63-23862

I. Astanin, L. P.
II. FASEB S 74-3
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

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Aizenberg, M. F.
THE MORPHOLOGY OF THE SYMPHYSIS PUBIS
[1963] [20]p. 18 refs. FASEB manuscript no. S75-3.
Order from OTS or SLA $1.60 63-23863
figs available from OTS on loan

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 43, no. 11, p. 68-76.

DESCRIPTORS: Morphology, *Bone, *Anatomy, *Joints (Physiology).

The symphysis pubis exhibits highly original features including sexual features and individual differences. In children and the majority of males the symphysis pubis is most frequently a jointless fusion to which the term symphysis is properly applied. The appearance of a fissure in the centre of the fibrocartilage provides some mobility and converts it into a hemiarthrosis which is no longer a junction but not yet a full joint. (Biological Sciences--Anatomy, TT, v. 10, no. 11)
(over)

63-23863

I. Title: Symphysis pubis
I. Aizenberg, M. F.
II. FASEB S-75-3
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

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Mavrinskaya, L. F.
EVOLUTIONARY AND MORPHOLOGICAL CHANGES IN VERTEBRATE JUNCTIONS. 1963, 15p
Order from FASEB in Federation Proceedings, 1963, v. 22, no. 5, pt. 2, $2.00

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 13, no. 12, p. 3ff. (Abstract available)

DESCRIPTORS: *Evolution, Morphology, *Neuromuscular transmission, Nerves, *Muscles, Nerve cells, *End organs

The evolution of the myoneural junction in vertebrates is inseparably associated with the historical development of the muscle system. It is probable that the original, unspecialized single and free ending gave rise by the process of divergent evolution ultimately to two main specialized forms: the terminal bundle and the
(Biological Sciences, TT, v. 11, no. 1) (over)

TT:63-17973-5
(p. T991-T1006)

1. Title: Myoneural junctions
I. Mavrinskaya, L. F.
II. Federation of American Societies for Experimental Biology, Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Orlovskii, Yu. A.
THE BLOOD VESSELS OF THE MENISCI OF THE HUMAN KNEE JOINT. [1963] [13p] 38refs
FASEB Manuscript no. S 112-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24456
figs. available on loan from OTS
Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 43, no. 12, p. 77-83.

DESCRIPTORS: *Legs, *Joints (Physiology), *Cartilage, Blood vessels.

(Biological Sciences--Anatomy, TT, v. 11, no. 6)

TT-63-24456

I. Orlovskii, Yu. A.
II. FASEB-S-112-3
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

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Gurvich, A. S.
THE MORPHOLOGY OF THE NERVE ELEMENTS OF THE CAROTID SINUS REGION IN KITTENS DURING THE FIRST MONTH OF LIFE IN NORMAL AND ANOXIC CONDITIONS. [1963] [17]p. 33 refs. FASEB manuscript no. S 214-3.
Order from OTS or SLA $1.60 63-23829

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 44, no. 1, p. 69-77.

DESCRIPTORS: Morphology, *Nerve cells, *Carotid sinus, *End organs, Cats, Infants, *Hypoxia, Chemoreceptors.

(Biological Sciences--Pathology, TT, v. 10, no. 11)

63-23829

I. Gurvich, A. S.
II. FASEB S-214-3
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

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Gataalov, M. D.
THE INTRAORGANIC VENOUS BED OF THE HUMAN UTERINE TUBE. [1963] [15p] (figs omitted) 13refs
FASEB manuscript no. S350-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13412

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 44, no. 2, p. 87-93.

DESCRIPTORS: *Reproductive system, *Veins.

(Biological Sciences--Anatomy, TT, v. 11, no. 9)

TT-64-13412

I. Gataalov, M. D.
II. FASEB-S-350-3
III. Federation of American Societies for Experimental Biology, Washington, D.
IV. Scripta Technica, Inc., Washington, D. C.

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DEVELOPMENT OF AFFERENT AND EFFECTOR INNERVATION OF SOMATIC MUSCULATURE, BY A. A. KLISHOV, 19 PP.

RUSSIAN, PER, ARKHIV ANATOMII GISTOLOGII I EMBRIOLOGII, VOL XLIV, NO 2, 1963, PP 93-102.

JPRS 21415

SCI-BIOL & MED
OCT. 63

345,032

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Revazov, V. S.
THE ANATOMY OF THE EFFERENT LYMPHATIC VESSELS OF THE ADULT HUMAN STOMACH. [1963] [19p] 7refs FASEB manuscript no.: S 391-3. Order from OTS, SLA, or ETC $1.60 TT-64-13400 figs available on loan from OTS
Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 44, no. 3, p. 19-28.

DESCRIPTORS: Anatomy, *Lymphatic system, *Stomach, Cancer.

(Biological Sciences--Anatomy, TT, v. 11, no. 9)

TT-64-13400

I. Revazov, V. S.
II. FASEB-S-391-3
III. Federation of American Societies for Experimental Biology, Washington, D.C.
IV. Scripta Technica, Inc., Washington, D. C.

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Kakharov, A.
LOCAL CHARACTERISTICS OF THE LYMPHATIC AND BLOOD VESSELS OF THE JEJUNUM AND ILEUM IN MAN. [1963] [38p] 47refs FASEB-S-392-3. Order from OTS, SLA, or HTC $3.60 TT-64-13399

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 44, no. 3, p. 28-48.

DESCRIPTORS: *Lymphatic system, *Blood vessels, *Intestines.

(Biological Sciences--Anatomy, TT, v. 11, no. 9)

TT-64-13399

I. Kakharov, A.
II. FASEB-S-392-3
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

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Abdykerimov, S.
ANATOMY OF THE LYMPHATIC AND BLOOD CAPILLARIES AND VESSELS IN THE WALL OF THE HUMAN RECTUM. [1963] [26p] 43refs FASEB manuscript no. S 393-3.
Order from OTS, SLA, or ETC $2.60 TT-64-13398 figs available on loan from OTS
Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 44, no. 5, p. 48-62.

DESCRIPTORS: Anatomy, *Blood vessels, *Lymphatic system, *Gastrointestinal system, *Capillaries.

(Biological Sciences--Anatomy, TT, v. 11, no. 9)

TT-64-13398

I. Abdykerimov, S.
II. FASEB-S-393-3
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

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Spirin, B. A.
INTERNAL LYMPHATIC SYSTEM OF PENIS.
Jan/Feb 64, 9p
Order from FASEB $2.00 in Federation Proceedings Translation Supplement, 1964, v. 23, no. 1 (p. T159-T167)

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 44, no. 3, p. 68ff.

DESCRIPTORS: *Lymphatic system, Lymph, Man, Capillaries, Blood circulation, *Reproductive system, Urinary system.

(Biological Sciences--Anatomy, TT, v. 11, no. 10)

TT-64-12541-1 (p. T159-T167)

I. Spirin, B. A.
II. Federation of American Societies for Experimental Biology, Washington, D. C.

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

Borisov, A. V.
LYMPHATIC CAPILLARIES AND BLOOD VESSELS OF MILKY SPOTS IN THE HUMAN GREATER OMENTUM.
Jan/Feb 64, 5p
Order from FASEB $2.00 in Federation Proceedings Translation Supplement, 1964, v. 23, no. 1 (p. T150-T154)

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 44, no. 3, p. 115ff.

DESCRIPTORS: *Lymphatic system, *Capillaries, Blood vessels, *Intestines, Absorption (Biological), Peritonium.

(Biological Sciences--Anatomy, TT, v. 11, no. 10)

TT-64-12541-1 (p. T150-T154)

I. Borisov, A. V.
II. Federation of American Societies for Experimental Biology, Washington, D. C.

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Kurdyumov, N. A.
STRUCTURE OF THE PERINEURAL SPACES AND EFFERENT LYMPHATIC ROUTES FROM CEREBRO-SPINAL NERVES. [1963] [14p] 24refs FASEB manuscript no. S 397-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13479
figs. available on loan from OTS
Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 44, no. 5, p. 121-127.

DESCRIPTORS: Body fluids, *Nerves, *Spinal cord, *Lymphatic system, Lymph, Morphology (Biology).

(Biological Sciences--Anatomy, TT, v. 11, no. 9)

TT-64-13479

I. Kurdyumov, N. A.
II. FASEB-S-397-3
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

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Electronmicroscopic Study of Chorioallantois Membrane in Chick Embryo, by E. I. Sknlinskiy, V. F. Kondalenko, 9 pp.
RUSSIAN, per, Arkiv Anatomii Gistologii i Embriologii, Vol 44, No 4, 1963, pp 44-47.
AEC AEL Tr-364

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Sci - Biol & Med
Jul 67

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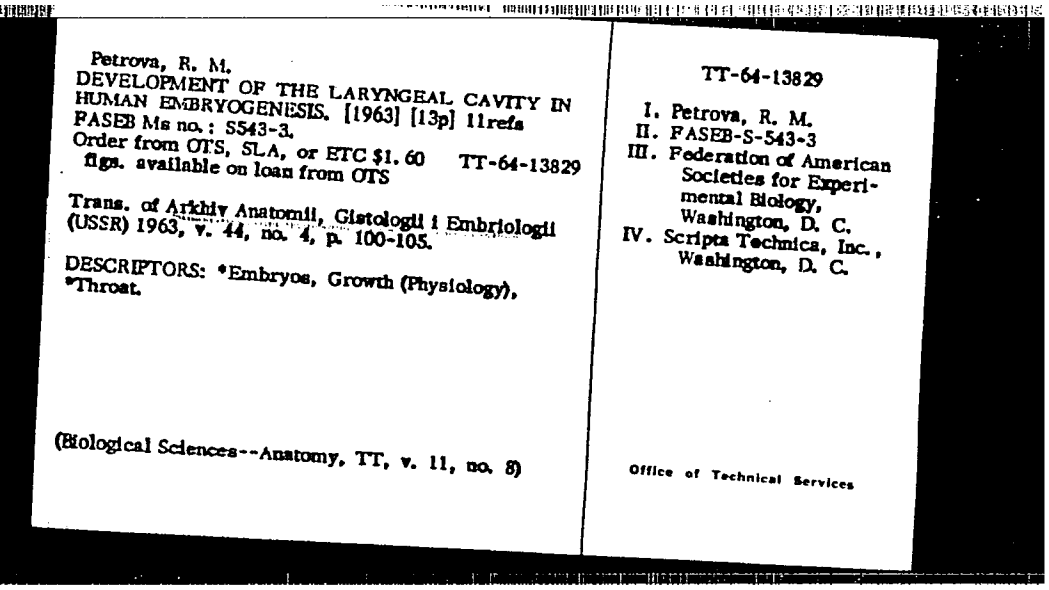

Petrova, R. M.
DEVELOPMENT OF THE LARYNGEAL CAVITY IN HUMAN EMBRYOGENESIS. [1963] [13p] 11refs
FASEB Ms no.: S543-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13829
figs. available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 44, no. 4, p. 100-105.

DESCRIPTORS: *Embryos, Growth (Physiology), *Throat.

(Biological Sciences--Anatomy, TT, v. 11, no. 8)

TT-64-13829

I. Petrova, R. M.
II. FASEB-S-543-3
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

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Some of the Problems Related to Somatic Cytogenesis, by S. I. Shchelkunov, 33 pp.
RUSSIAN, per, Arkhiv Anatomii, Gistologii i Embriologii, Vol 44, No 5, 1963, pp. 3-25.
JPRS 41369

USSR
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July 67

329,638

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

REACTIVE CHANGES IN THE EPIDERMIS AFTER THERMAL IN-
JURY, BY G. YA. GRAFOVA, 13 PP.

RUSSIAN, PER, ARKHIV ANATOMII GISTOLOGII I EMBRIOLOGI
VOL XLIV, NO 5, 1963, PP 26-36, [illegible]5

JPRS 21170

SCI-BIOL-MED
OCT 63

344,336

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Zhenevskaya, R. P.
THE SIGNIFICANCE OF SENSORY NEURONS IN THE STRUCTURE AND REGENERATION OF SKELETAL MUSCULATURE (Znachenie Chuvstvitel'nogo Neirona dlya Stroeniya i Regeneratsii Skeletnoi Muskulatury). [1964] [21p] (foreign text included) 11refs FASEB Ms no.:S706-3. Order from OTS, SLA, or ETC $2.60 TT-64-15504
Figs available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 44, no. 5, p. 57-62.

(Biological Sciences, TT, v. 12, no. 3)

TT-64-15504

I. Zhenevskaya, R. P.
II. FASEB-S-706-3
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.

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CYTOCHEMICAL STUDIES OF GLYCOGEN THE CENTRAL NERVOUS SYSTEM OF THE FROG AFTER GAMMA-IRRADIATION, BY A. L. SHABADASH, S. O. YENENKO, ET AL, 17 PP

RUSSIAN, PER ARKHIV ANATOMII GISTOLOGII I EMBRIOLOGII, VOL XLIV, NO 5, 1963, PP ~~26-36~~, 96-105

JPRS 21170

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SF- 4688
31 May 67

Problems of Somatic Cytogenesis by S.I.Shelkunov, pp 3-25,

Arkhiv Anatomii,Gistologii i Embriologii,Vol.44, No.5,Leningrad,1963

Russian
USSR/Sci/Bio
incl. graphics

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300800016-0

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QUANTITATIVE STUDY OF FROG OOCYTES IN CONNECTION WITH SOME MORPHOLGIC AND CYOCHEMICAL PROBLEMS, BY P: V. MAKAROV, 12 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII IEMBRIOLOGII, VOL XLIV, NO 6, JUNE 1963, PP 21-29

JPRS 20980

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